

CLAIMS

Sub 17

1. A device for implanting into a body vessel in the region of a vessel branching, comprising a radially expandable stent formed as a hollow cylindrical element and provided with an increase radial opening; and a balloon catheter on which said stent is pre-mounted for implanting in the vessel, said balloon catheter having a hollow chamber for passage of a guiding wire so that it exits in a center of said increased opening from said hollow chamber and said stent.

2. A device as defined in claim 1, wherein said balloon catheter is provided with another longitudinal chamber extending along a longitudinal axis of said catheter and formed so that a further guiding wire exits at a tip of said balloon catheter.

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3. A device as defined in claim 2, wherein said stent is dilatable so that after a dilation of said stent, said balloon catheter is pullable along said guiding wires out of the vessel.

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4. A device as defined in claim ~~2~~¹, wherein said further guiding wire is guided through said other hollow chamber out of said increased opening.

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5. A device as defined in claim ~~4~~³, wherein said balloon catheter has a balloon portion, said other hollow chamber for said further guiding wire guided out of said increased opening being formed by a pipe mounted on an outer surface of said balloon portion of said catheter.

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6. A device as defined in claim ~~4~~³, wherein said catheter has a balloon portion which is formed as a double-walled balloon, said other hollow chamber for guiding said further wire from said increase opening being formed as an intermediate chamber of said double-wall balloon.

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1 11. A device as defined in claim 1, wherein said stent is
2 formed as a wire selected from the group consisting of structured wire,
3 knitted wire and twisted wire.

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1 12. A device as defined in claim 1, wherein said increased
2 opening is arranged in a center of said stent.

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1 13. A device as defined in claim 1, wherein said increased
2 opening is arranged eccentrically on said stent.

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